40 Rock C.

It's the best selling weekly



Commodore's C16 ousts Vic 20

that with the launch of an eefing of their existing stocks The CH is to be sold—like The CIE will supernede th

Hesitant start for the Plus/4?

"We feel there as a smaller

'Our blast price gatdelines

#### COMMODORE PLUS/4 REVIEW AMSTRAD PAGE) RAPSCALLION ) ART ON BBC





# From CDS, COLOSSUS CHESS 2-0' the ultimate challenge by Marita Bryant

The Ultimate challenge by March Bryan for both the chess player and the chess master the finest



Available for the Commodore 64 £9.95



CHUT ET PE AND AN ALL SAME PARTY

disc senion £12.95

Software Stores pin hopes on new micros for MAS A PICTURE of which recent The three titles - Guney The Section QC will be to The person are being last-QL will sies he in the shape -Apricot set for PCW show chard Wedner, will have on range of setting parise, and twace label. Three titles, Arlosiones software boodled on September 25 at 10-00am. Fantasia games OL takes off live on AUGUSTURE house Dichal Percusy uses The Dipe's packages were on despite takes place unide a robot's locate the subor's CPU and additions to the range Michenber, After the Fire and

01-437 4343

News Desk

Have you got what it takes to build your very own monster?



ARCADE HORROR FOR SPECTRUM 482 E 5.0

HE GANE TO Screen requiring backs, looks and HE OFFICERTION Too many to hat have be

### etters

ike M I Darme Octors August 25 upon 2 have

The new code does be

structure T feet that I make wrote to you

DEDGESTRO THE DEL SHOWER TO

- Into Lawler Loons 35) way-

peobless with Auro 20000, so Exce are two sustaintive

ades of

LThen saked Ford ow Ch. perpends with Alt - ell

(17-10 204 - Chill(Child (4)-10) Del hiscologia Excentrate del Troverosio M

BAVE Mile I name, start TO end -- with comma after frame to rare parts or lines of a P Flock X Probady Arrests Thrashine

How threstened John ment feel to be thrushing 3 on 35

RENERM your TO end here. sec - way none-copy sper

London 2971

Learn to Fly Competition: Week 2 Collect the four weeks' washers and \$2 out the res-

powe proved in the last week, Send the form and the form Send in the form and the second set of four vonebore Consultants flight street/stop and air traffic control softrace for all the major murror-offer available only to

Heavy on have been reading your

Both of the PRC and the

everyone that they are Very

counter with a FDCC ecition.

The odds against apother I against and falking We you still eas't more with in thorefore your even problem.

#### Could this be the biggest selling disc since White Christmas? A few months after its release It adds communications that

the latest disc from Lotus" is now romping up the charts Symphony" is

the follow-up to that other catchy num her the Lotus I-2-3" selling integrated software disc of all time But Symphony's

success isn't althougher surprising. It takes the proven benefits of 1-2-3 then adds a few ideas of its own The spreadsheet, for instance is even bigger (8192 rows by 256

columns to be precise) The database is even better its graphics verge on the artistic (bar charts line charts not to mention exploded nie charts) All in colour Next Symphony throws in word processing that matches the let you chat with computers

And to cap it all you can out everything on the screen at the same time So that when you change the numbers in one window the graphics change in another

But for all this

Symphony is easier to learn and simpler to operate than programs that do half as much To find out more about Lotus Symphony and the

name of an authorised dealer call Teledata on 01-200 0200 It may not capture hearts in

quite the same way as Bing's disc. but for millions of executives it'll be music to their ears.



speed and the power of any Lotus 123 and Samphore popular WP program.





THE PRINT PR

birthers the service of the service

1EG FORG-BTOG PLOT22. G. PC+16: PLOT12. G. W: PLOT13. G. SC: NEXT 258 F0RJ=1T0F 268 K=1NT(RNB(1)=6+1)1L=(K=1)=(K=2)+6+(K=3)-6+(K=4)+1FA(1+L)(8THEN2

GB 2008 R(I)=R(I)+L):R(I+L)=B:I=I+L:NEXTJ:BOTO378 300 PMINTOHHS(30):PRINT\*Bove "IL::K=B:H=S:FDRI=:TOA:FDRJ=ITOA:I=R(E

SIB IPHER#I+J)=68+L#I+JF#ENK#K+1 SIB NETTJH=04+2:NEXTI SUB IPK-1ERNDR(2E)=0THENAEB SED PHINT: Letter? "CHT#(A)::RETURN

ere dublectes 198 Ashleysi IFRS-""THEN390 198 FRB-"0"THENPOPERSICLUI PRINT: PRINT"You quit seter "L"moves. "100 TO SE GOOC (AS ) (COURSEC (AS ) TOTING TOR )

2.5 PRINTED BY 1871 FREE TO THE TOTING TO TO THE COURSE (AS ) THEN I = 1
2.5 FIRST (AS ) = THE TOTING TO THE T

174 P. AVS. C. C. S. 475 TOS-1376132017501-475 TOS-1376132017501-475 FORT-1TOLENGTUS): P-ASCINIOS(TUS. 1.11)-47:NUSIC1. 3. P. GINUSIC2. 4.

175 PLAYS, D. 1: 15001HBIT12:MC4T 477 MAT 2000-PLAYS, D. 3: Shed (A) "L"soves." 500 BITTISHT SON THIN SHED (A) "L"soves." 500 BITTISHT SON THIN SEE (A) "A) "SON THIN SEE 500 BITTISHT SON THIN SELECTION SON THE SEE 500 BITTISHT SON THIN SELECTION SON THE SELECTION

DI WANN BESET

See ondusted

#### Street Life A Siel barks

whem Taylor take about music keyboards and computers to

or mana people a major consideration. The MEX computer link gires maticians to remarker in that the businessed market nome skill .... serme and of technique or fair

mondily and quickly you managed I and

Processes which Years your BBC into a own ways of making it easy for the murge but, obviously, there are major

A solution to all these problems which by MEX the digital communication star-In fact MIDI means much more than beans able to add a kephoned to your made -- It

named but with preparation line MEZ the two signing of the MEE charter — liberally a

really communicate properly with one

gire you appropries advice. NEX will enable software because to software I could be like having a music

Now MEET hephoand-computer lask real-

'E you take something like the chear what might happen — Casto put on a



The computer game is DEAD...



AUTOMATA UK PRESENTS YEURSELE LAN DURY JEN FERTWEE MEL GROUNDER

### DEVS EX MACHINA

FFF Man a Brighty and the county on pa

# There's more to Mr. Pettigrew than meets the eye.



THE PETTIGREW CHRONICLES
COMMODORE 64. SPECTRUM 45K

SHARDS

## ...LONG LIVE



250K of pure mystery. Be the first to know. me and orderess to: Furekal 228 Munster Read Leadon S

13-1038/\*\*\*\*\*\*\*\*\*\*\*\*

#### Hardware Review Solid and sturdy

evid Lawrence takes a look at the mechine on which Commodore na hosh borner — the new Commodisce Plusse



machine-code monior with 12 commands.

a cril for wetthnon. reflicient information to use the marking The Fron's comes domplets with builties.

a inevable that the Figs's, Careron

or money, Commodorn has chosen to go Specification

programs on the 640 versura.

Briefy, the Commodore Flory, Use to relative the Commodern 64, has 64E Euro. The markets has a 225 flory contaming It is from those four software machinese

word processes, a simple styredtheet, a Opposes program and a people-planing Sense function been are provided personal and a Habit Emphor low

degree of groupotein ... that is the una limited in scoop though because it is perkapes is justed - at the touch of a

The Guadriginos is that that man of the





#### Hardware Review

De auspurped dony in ir (you charris are appethere the hiers seclate character square macan therefore only or mines the beight of Only one soit of data at a time.

on state

nd can be vention to by see all Plots abronams.

Casping the a half-resolution multi-critical crises which allows two familiary and cocount to be remident in the same character quarie to another to the same character quarie in sixtura for a minimum overfutnon of

we push herisonally, which realess other meshalisatory lettering when her flaplayed.

Chiphia 4 is the spit-scene versor forgits 3.

Finally Graphy 6 princips the server

One seefs feature of all these acrereampulators at the near reserved, if high-conductor acrees as not overwrite undess the amonty allocated as freed we the Organic Cir comment. It is possible should become high- and low reservi-

the Organic Cir communit. It is possible in thatis becomes high, and low constitution across without distance to rether, a such facility for the would be quitted retrief Colour and low mentation capabilities. The colour and low-mentation capabilities

rectors not in annihilate, making possibile is great many effects which would only be validable in high resolution on other mechanise financia; many colours can be displayed, all others specified their Book with the Color command type, understansity is at the dissection annihilated in address. Seen

the American spelling) in addron, however, the Immunion' (brightness) of a color can be specified, providing a total of 12 shades plus black Other graphies commants Apair. From the standard drawns.

community, there are a variety of other teach graphen lepidines. Zod, Zdor Zgrand Etter are furnishes which prints referentiates on the current grant colour, the position and octour of the panel at the current current print product colour prints and colour of the panel at the current current product product.

position and colour of the punit at the commet comor position, the custom pinghia mode and the customly previous lemisauce. Sthepe and Offings, sinduces the Micropelt Octand Pin commands East seen to dis-

country on the fi goo, allow an areas of streem be risced in focus of status;

be stered in the form of strang vasuables for base replacement. Saund As with the era-

> photo expebilities the Phan's is a viagler tracking that the E4 when 1 comes to seem and most come will find it dense to use

minimiste to place or minime the beingst of concined to the properties of the data can be represented at a sine.

Same of propresenting.

When the furn counts to progress the new

the name tred and seemed full powers procurse entry and editing methods.
Commodate has recognised that enough and even healt upon it with a whole sames of extra ordinary capabilities called up by Ecopie aregisence (Excape followed by another lawy).

Programming structures Marr of the new marrhing creat

Many of the new mechanic coming onto the market this year have followed BEC lease in morang away from the use of Gazer and

procedures
With Bases 2.5, Commoders has optical to
not provide procedures or axes, se indiaded X a fact that will damppoint many
pariets, but indeed has channe to constitutable on Besides appeal longs
As well as the modeland Fox. Most

looks. No What supports to Loop Confidence has and an other Shah to Chall for Black X-Nor De-Shah X-1-Kon De-S

ang a space to space are reasonate, as a probability after boy instruction entered that probability after both and a space and

true kinds of problems. Finally, with the cross having been dealt with. Zesum althors progress essention to reconstruents when at the line which has produced the 13-16 SEPTEMBER 1000.

amon, or the following lim, or at any capital and appeals and the within the property agencies of the within the property agencies of the within the property.

I mette for the form of species, we corecycles prised and only a mind propoies of 66 overers even used, Raise 3.8 process a seeful set if graphine capabiliies which can only be described at outline see. Line and shape develop communication into Zinen. Grote and Fox. Doew in a

chiefe Sense, Corpie and Sens (Sense is a standard bins derivering comment, while For Colour and Sense restriction, observable asseming of a standard on the Processor of the Sense of the Sense of the Sense of the Sense of the construction of the Sense of the Sense of the Sense of the Sense of the construction which well draw any negligit. The last Construction of the construction of the Sense of the Sen

Graphics modes Glet the P4 the Phes's does not satematically maserie memory for a high recolation graphics scene on start op. The default screen mode is a standard 25 lines by 45 characters. Other screen modes are set by

use of the Geophic comment. Apart.
Chaples 2 promotes is that 200 x 200
high resolution servers, escapping UE of
high resolution servers, escapping UE of
high resolution servers, escapping UE of
high resolution of the control of the
housest The full range of dedicars up-permoted
makes servers in Class mode with the
high resolution of the control of the
high resolution of the
high resoluti





ું. જું.એ,

### Hardware Review



of the revering emphasis on their ... radius

program. Gedtov — etrodos uz indeStato wait for s

Zrief Oring - compared to yeary other

the graces of coding. Each line of assembly

Whatever the lambaloon, however, the

make no one of Feetz and Folias, which

The success of the machine will of recover

#### Reviews

Imperial Dateton Price \$15.36 Repgver fasced coal mining

Block of Engages - an Dro-counded also tydroces.

Word Play

Mowares, Composer

baseles involved or actually

county Milers Spectrum Prices much more than this. Most mited 43 Night Street Intilization

BUSINESS RECOUNTS

Errette den is whose in

SISISIS

Zeu uses Toe pentons St SPICE BROWNS INOUT & C A STATE OF THE PARTY OF THE PAR IN SCHOOL STATE OF THE PARTY OF CONSTRUCTOR SCHOOLS AND ADDRESS DISCOMENDIA MONTE CAVE

A-110 (Stellanothible (Ann) State (An DESCRIPTION OF PERSONS ASSESSED. Cash in hand

each week in turn onto Micro-

man Accounts in an also ran. I

### Reviews

#### Warwager regress facts for Moles less Commotors Id Price

deer bon Pos is

Labyrinth

syrum Aspecalion Mice Box Bris, Mulberry House. game from Top-Sets ...

The owner challenges you to

Black blob Program Anna Stranbur ME

what quality, have added

and destroy these white

you have to defend the laight. Since, and the Japanese ethnics

the dreaded Expendition the

hird true are valuesable to

Sicilaisi

Process Physics O-Level Re of that review arrived too

which it was istended. The reposite contains fire

Gold mine This is all vacy much stee

the subor of the sure guishes it from many other popular Munic Miner has not a lot to answer for this very to appear for the Commodern St. (Millions) (2005)

You have so cride Ollious Check list

and one age as a sed of ricited Pales \$5.16 Bappiller

package however, it is very

### Magic

potions

Fragus Mechie Miera

Fragus Mechie Miera

Fragus Mechie Miera

Begolier Myr Valley Sufman

France Strum, Simeraley, He
refortables

Wye Val. ps in very soal high-

pend, socialir inthini type of more, although the writing is a rife different. By pure of the freed blooms, who all being more for case of the man from case of commen from case of comguerants by seeing spells on seen, that your about promotor lands, and must be remoof comparingly by horelay of comparingly by horelay.

appreciable by seating a them, but your angust a see leaded, and must be see a consumment by a up a magic potent. To do this you must warene designful top the a size, a trop's long and a abbremency crys sugniseable, the comb

Filippers
Program One Orabin Minus
Specimin ME Price (II.V) Repsider Oxidation

Progress Oan Guiden Milere Copertury ME Price Et 10 Bep piler Quickeles.

See Creation is a reCreation of a reCreation of a reThe American Motor-serlar genes on the pushes, idCreation for the states, idCreation of the states of

Occept he idea is still quite statingto and stating in the stating in the property of the stating in the property of the stating in the property of the stating in the between the section in the stating in the section in the stating in the section in the stating which will defect the stating in the stating

Titul Titul

mented and you move on he cent lend.

If you with to the stands areade-curse suction with it see you must go far woo shoot emerytizing that more shoot emerytizing that

and edited all the bits that don't Abbeeple to

and collect all the 10th Yad don't Although the principle of the gasin is not now, I is well presented with along graphen and sound, and the active is normally fast. Defamily worth a look if you are an ecoderition in. Bickaud Coeffeld.

making their way making in decomneeded to deep to the role right slots in the science) and pure addresses a challenaddictives unme to incoverse, Quickaljust Executed a 2250 the first presses to Service. The game or Joyanck designch will enable other to be used.

symbiotic Symbio

compouring of well compound adventures year people who weak form people who well followed a compound of the second of the second

or For Toter Lafe, supprocess cincines, will be concluded to the process cincines, with a best concluded to the concluded to the concluded to the concluded concluded to the conc

Flower-pots

Program Jump for your Life

incident elemental project per sente the situation of a stope a stayrant part and the filter development as start, I cover dud discourse scenarios and the filter development as start, I cover dud discourse scenarios and social project per sente sente sente a social project per sente sent

**F** 

prisi i peri cony uto colcialasality makes bright, utologia o

di infernati conscreto at tree.

di infernati conscreto at infernati conscreto at infernati conscreto at infernati conscreto conscientati, finele abi provincialo. Infernati conscreto conscientati, finele abi provincialo. Infernati conscreto at infernationali conscriptionali cons

des the plot really implied of \$200 in a list steep. Into Waltham (#\$2550)

### The QL Page

#### Into overdrive

feelin Bruent shows how Spectrum Microdiums can o-clair claim that the Spectrum Nicro-The mean that you cannot take a

Memodrise(t) slong with their conports However, it is possible to consect Spec entropicly metal. A practical example of

custor he could from MEST on to a reser contradore unions 4 as to MDV1 which as not Nucleus and MENT to MENT in the runner

Another string . . .

#### Use this program by **Richard Snowdon** in edit and

l) Load praymer to be edited, eq. isad Innador) 2) Sies the program with the attention

Import, invader to (malong sure 5) When it's lowled, power ESC to leave I seed QULL with this passeum to save the program and then Qur Quill Load this utility and some the days rumber of the program and the name

Ing.
As the persent generalizes of membrane

This color is readed because Qual sures

140 REFERENT Welldooks 150 FESSY No. Wells drives - Greatest Everisi 200 Fr drives - 1 Or Strives 2 THEN E-17 validate 170 Dig Millout and Instant Plat Bo drives

tro the revisal assistance let be drived the last a tre race of the Coll.

#### Spectrum

#### Putting the record straight

ente a relocateble machine code bubble merchant barn of sorting and that most seed.

Both the Busic Gast G and the marking

common you for commonest is the work at the same way, taking data at an

tern is the lat with the following tern

buffer (1900); on) on the area is used with by order ARXX, to true In Last I one RAM starting as 20000 than Sans.

Let 8 shows the routine put but practical

List 1

List 1 (conf

List 3 A S T R PRODUCT OF THE PARTY OF MANY MANY

MOTO TO THE STATE OF STATE OF

I AN ARTHUR PROPERTY AND ARTHUR.



## EDGE

Commodore 64 Design of the times homes Ellenrieder's program ensibles you to create ech this program, complies gra-/ drawn a loss between comor position and a e door to eclips, meser delvas como comes, cursos or hubban lob Program notes 25 GCTO 186 30 GENNSY COPPARE THREE 40 RECORDS S.E.S.B.J. 1" COETN-PRINT'S. COPPARO THREE (FI) HOUR 50 FRONT E (FI) DONE 5 1 2 5 ID-192-992 C-RORCOY CINCLEXI, F1, C.C.PS ISSE IF #8-7:THEN RECKI, F1, E.C.PS, 199-11, E.C.PS 220 00 0 . . . . . . 6.0. 1000 MITH THE 1000 MITHUR FELIFIE 1018 CHATEFFELVE A 1019 PRINT GOD, ESLIFFE 1020 DATH X-5ACTUS LIC 9938 DAPLT X-SADIUS LIKK 1548 DAPLT Y-BADJUS AY 1558 CENCLE HI.YIVE, FY.PS 1850 CSCTR-SDIE 1168 200 FAINT 8. 200 FAINT 800. JOYSE, 343 FOR HITCHSE, NAT 8 500 FEINT 500



Play solversolen with remotes and 2 provincials
 Play sink Studen Cr. (INSUDDO) or
 Other any COLEPONCS compatible printer ag, Episor Bellman
 Other Coleman Coleman Coleman Coleman
 Note: All connections Coleman
 Note: All connections Coleman

WIN THE POOLS

Fung : muselule competion: operationed crigs
 Competible with Cursh Microprodit - the fiell sook program to

SPSCIADRAW/Dept.DC.1.1Cov/state.Onload.Onload.RS-RS:

#### A Fair Deal For Our Advertisers

#9355 Industri

No quesses, no wishful thinking - the circulation of this magazine is audited to the strict professional standards administered by the Audit Bureau of Circulations



The Hollmark of Audited Circulation

POPULAN COMPUTING WEEKLY

#### BBC & Electron

masterpiece

the morest gross position. Propr and complicated pictures on screen. stations and other a preside or the

The first part of Compaier Arris being immediance her goes control

stoped area SE Accessed by possing the leave charted area fill. Accessed by pre-

Draw are Accessed by pressing the Citi Solid area All Accessed by prevelop the 'E Set Points Accessed by preceing the Autum

From Advanted by pressing the Dalor. temove grad. Accessed by preceing the 'T

ter has not & since surred of # more

The progress Loads and Serve screen

CINCO 4"

HARTS THE ME INC THE 100

DESCRIPTION OF THE REAL PROPERTY OF THE JONE VOUN

MERCURAL D'. TO ME TO THE STATE SATE PROTECTION OF A PROTECTIO

106 HTV12 The second control of the second control of

THE DEPTH COME SEED PROF 1468 DOMOC

#### BBC & Electron

The property of the second sec

ubbe gig.4. )
[7] Syah sayer
[7] Syah sayer
[8] Sahari sayer
[8] Sahari
[

2448 DOMENT SAME DEPARTMENT FOR ALL 2450 E-TO 2450 E-TO

2419 CPU - 2 2409 METER (DOGNA GREE, PERMIT D. ALL + 2 2400 METERS (CPU) 1 CPU - 4 2500 METERS (CPU) John Senden Service Gerockers gene Hollowers gene Hollowers Gene John State State Gene John State Gene General State Gener

DAT JURIS METEUROPORTE PROGRA LANCE METEUROPORTE DATA SERVICIONE DATA SERVICIONI SERVICIONI SERVICIONI DATA SERVICIO DE PROPERO DATA SERVICIO

0







# TURBO CHARGE YOU'R SPECTRUM



### Cutiperforms any Spectrum interface Reunque liste startace from living parts you of three Or of four credit cert living living living and three Or of four credit cert living living





# Now AVAILABLE for any SPECTRUM THE INTELLIGENT PRINTER INTERFACE

## from CAMBRIDGE COMPUTING

Features:

Compatible with ALL Centronics Printers and Plotters.
 Recognises LLIST and LPRINT

 Recognises copy to produce screen dumps on any graphics printer—in up to six sizes and three styles, including grey scale, shading and colour (subject to printer capability).

 Down loadable user definable character set to allow widest possible range of point styles.

 Software is in ROM, so does not need to be loaded from tape every time the interface is used. The special software allows the interface to recognise the functions of the printer in use and allows the style of printing or copying to be

Changing from one printer to another is readily accomplished by a quick and easy-to-use menu programme.

All inclusive price of £45.00
 AVAILABLE NOW BY MAIL-ORDER OR FROM YOUR



TRADE ENQUIRIES WELCOME

CAMBRIDGE

PCW

#### Amstrad

Sound advice

Collin O'WellT explores the possibilities of sound on the new

controls the East Oann parameters, the will sound during this procedure so the The program makes use of some of the

#### Amstrad

Title and a preparation is managed by





The Adventure Begins ...





### Open Forum Open Forum is for you to publish your protection satisfage you send in are all bug for

3-D Graphics end do the program is constructed.

ectrum the coordinate services position and the coordinate services position are the coordinate services are the coordinate s

the degree of curvature of the line.
The program sels yet to supplif to coordinates of the opposition than the radius, (make sure a wall to extrem.) The propletes of a measure.

REM 'SD' 18-326 OF 6

Program notice

Mar X Strap score priors between an electron
terminal
Law XVIII Super date, on described shares
Jan 1800. Second control, may be required of
3 tills of the solid it monthly priorities.

Variables

2. Supplies of regression on chosel like

DRM TOD (1898 OF 0 PRAFE)
DROWT TORICS CRITICAL STATE OF THE STATE OF

Microradio

GW6JN CASSI

User groups

This week Morceadio from the specifigle on the free today computing searn groups, the floatest American Associated Child States of the searn group for the free today of the floatest Associated Child States and the search as the floatest float

sales proops, the special Antisee Radio Slevis Choig (SA, \$100) and the user group for papelph with non-Sunchatz conspilates, XAMCOS Tobs sensitive radio And CB are architect better than yaid both passiment have many thousands of followers. Annitive radio for exempts has been radio for exempts has been a science of companpaids transportant have been tion more from it with a contract of the Linear Contract of the Line

As sectionlary advanced

Data incolversated for meny people These association work. The state methods work because the state of the forms associated to appeal of the forms associated to the state of the state of

hall from all over the world in the appraishment of the size of the Studies compared and an imperlation of the size of the production of the size of the BAMEND AND AND AND AND BAMEND AND AND AND AND BAMEND AND AND AND AND Employed Basical And And Salva Extraorders methods projects and programs. In the Salvas Extraorders methods projects and programs, In the Salvas Extraorders methods projects and programs, In the Salvas Extraorders methods projects and programs. In the Salvas Extraorders methods projects and programs, In the Salvas Extraorders methods projects and programs, In the Salvas Extraorders methods projects and programs. In the Salvas Extraorders methods and Salvas and Salvas and Salvas and Salvas Salvas and Salvas and Salvas and Salvas and Salvas Salvas and Salvas and Salvas and Salvas and Salvas and Salvas Salvas and Salva

3-D Graphica

Piness consent Data Circup
ind please, doe'd larget the
IAC.

Tay Burry OWEEN
This series of article in designation
action of article in designation
action and monocomputer configuration
after it yet been the author the

one or beginn their year would be in convenied write in Play & cybracker Propoler Compolacity 10-13 Little hawpord Str make NFC219 3L/3 practices it calculates the number of recises 100-100. Il número a a cost or a boost

SETT THIS PT BY BASKIN COTTON \$50 1110 DICE 1 1892 OFTASLIFASC I DRAS) 2 DRASS TRADES 28 FRINT EGGETHES PROBRAM WILL 1100 1509+12 Television 38 PRINT GOOD COLOR THE NUMBER 48 PRINT GOOD HOLES IN ANY ADDRESS OF MOLES

588 PRINT EDCOMMON() 1 MOLARITY IN INPUTY 250 1350LPEC(CH+3) 1 INPUTY # DESCRIPTION OF MOLES DITTE : UNFO TABLE IND 100 FERT 0221 055 110 FERT 022 50,07100 120 FERT 022 50,07100 (000000000)) FOR 11 INPUTE

> -018010 Arcade Avenue

On to Step The Express

over formy They Readle

Pauly, there can be fee

Super Mare who has a high three games) as completed Wall will

pan success

Point 1005.0 and Point 25046.0 o man of the work t Well scores to per uso bers would be better) and Sale Juniord and 201600 to

panded Vicili or Commediate #4 but square space ETO Colorison order to could be easily adapted for any other speciate it contacts it is contact in the

SE PRINT EDITORIES INPUT THE SE PRINT EDITORIES INPUT THE SE PRINT EDITORIES OF THE STATE SE PRINT EDITORIES

140 1Fn4= 1 THOM1080 150 1Fn4= 2 THOM2080 160 1Fn4= 2 THOM3080 TORR PRINT \*[002222222222] NPUT UOLUME COMP 1816 INVIT 023110 THE BMS MY: 1808 PRINT 023110000 TEPPENTURE 1808 PRINT 02300 TMESSURE 1808 PRINT 0210.STANDOND 1808 PRINT 0210.STANDOND 1808 PRINT 0210.STANDOND

TO PRINT 1400

place of the trait a coques?



Use your intelligence to write a game that's more clever than you.

Form Common the arriver and the arriver an





















TRADE ENGURIES ANIROG SOFTWARE LTD 29 WEST MILL DARTFORD KENT (0322) 92613/8 MAIL GROWN B HIGH STREET HORSEY SURREY 24 HOUR CREDIT CARD SALES HORSEY/02934/8083 PAYMENT BY CHECUE IF O ACCESS ASSA SON POSTAGE & PACKAGING

### Open Forum

Pacman's Revenge

on BBC in testing understands you. (in case you compared for the BBC 8 for this letter would be a real possible of the BBC 8 for the letter when you is you want to the BBC 8 for the letter when you have a real possible of the BBC 8 for the BBC 8 for the letter when you disposed characters!

See that you have not for it mainly. The programs consider of the press the perior young programs for he letter want to the perior young programs for he letter want to the perior young programs for he letter want to the perior young programs for he letter young programs for

C WENTO DED HOUNTH

MKEYLO\*DLB/HRUNIH\* DADRODRUM WARET

10 MODE/ MINISTERS PRINTIPESINT — Pac-Man's Revenge ...
80 PRINTIPESINT By Nilseh Ren-Star ...
20 PRINTIPESINT WAY ...
20 PRINTIPESINT PRINTIPESINT YOU are Perrens, And you are seeking ""Envenge on the great and sundiese ""Supe-Monet III ...
21 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
22 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
23 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
24 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
25 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
25 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
26 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
27 PRINTIPESINT PRINTIPESINT "Supe-Monet III ...
28 PRINTIPESINT PRINTIPESINT

""You have 150 meves to make the most" of your mission. "" ZMLDT X-LEFT"
70 PRINT: ZMLP /-COMM\*\*

70 PRIMTY twip /HIGHRY 'ADDRESS' the tape retorder' TO AS-OFTS

90 AS-DETS .00 IF AS-YO" THEN CHAINTEACHAN\*

to extr to clemblospin HT To depreciate APINT, FRINT, PRINT Another Go (Y.

30 MODEL 10 VDU 23182021010101 50 April 1940-01171000

SO FOR TWO TO 180

DO COLDURATERINTIAR(3.0): "Hoves Used"sT TO COLDUP AIPRINTIAR(C,D): D49240

100 COLDLE TAPAINTTO 110 GARNDILOLAN-RND 120 IFG(STHENC+C+1

130 EPESTHEND-0-1 140 EPH:STHEND-0-1 130 EPH:STHEND-0-.

180 1FH:STHEAD+C+.
180 Hs=184:E74(2000)
170 1FR8="1" THEN 8+8-1
180 1FR8="/" THEN 8+8-1

280 MCDE7: PERMITABRO, 10) ("YOU FALLED.....": PRENTABRO, 11) (
"Anather or (YAN"
"So INCLUDE THE MODE TO THE MODE TO THE MODE THE MODE TO THE MODE TO

750 VOL 23,241,24,126,127,240,240,127,126,24 340 VOL 25,240,124,182,254,254,254,254,170,1 350 CLB

Copyright (C) 1984 N. Fannattan

Pacesan's Revery



I	Conjune Back Issues
١	incomplete and a certain for the participation described and the described of the control of the control of the certain of the
١	Police Brid ris he bittering task count of Schoolship
-	Phone and he is you of the 1900 PDN trees of 1938 ()
-	Net
ı	Phone and he a rap of the 1980 Piles have at \$1.00 ()  Inches a rap of the 1980 Piles have at \$1.00 ()  Across



Popular Computing Weekly

said to a salest in Private Complet (Private
Poster control and the Control and the

### Play the numbers game on your QL.



per civil et finde groupers. No con developers per civil et finde groupers con levelopers per civil existing, and groupers controlled and expendent controlled and expenden

a marker believes and an interest (a v. 20.0 pile 15 pile). The pile 15 pile is the contract for the contrac

ACCORDINATION NAMED IN COLUMN

### Tony Bridge's Adventure Corner



### Alien teeth

of the rights still has to devotes con-About to tuckin The Chiefes Basis !

"becoo" advancers, but not delicule."

short a mass killing randomly-placed The Dark Despects "There's nothing also

stroughers occurrently, but this doesn't

long-wooded affair" [I suggest you say witness to the Mesers Harries ... one there

dong Four Gater to Freedom and can month the loader reds as well as vertons

fits on a ME ZZEL why not a Vict What To answer those him questions - no. 1

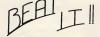
### to date; Adventureland - a good solid Adventure Heloline Select becames? If you are stuck in as

Famorby -- by system only works II



## SYSTEM 15000

THE REAL TIME GAME



SYSTEM 15000 The different game with the NEW "TOTAL REALESM" concept developed by AVS set you firmly in the middle of an intransitional complants where you have be use your compute tegether with SYSTEM SHOOD to cover 11,000,000. The game is a real time 'investigation than realistically expines the excitament of accessing computers by telephone and breaking their codes to obtain what information.

AVAILABLE NOW.— CHIM AGENCE 8 PROFETTION 150.

Also available — The No. 1 chart success FLIGHT ZERO-ONE FIVE (VICZM) and the Helicopter Action Game — WHIRLWIND ONE-FIVE (VIC 20)

CRAIG COMMUNICATIONS





2 Enrion



Game...



CHENOLOGIST \$3.60

Cervina seet? \$3.85 The proportional super

MELLOW SOFT

elFemily Seftware for the

.. IS COMING!

MELLOWSOFT



SEPTEMBER BARGAINS

BBC MODEL B WITH 5 SOFTWARE

CASSETTES £345.00 INC. VAT

ACORN ELECTRON. WITH PLUS 1

INTERFACE

£229.00 INC VAT

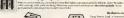
COURSEWINNER

OOLSWINNER

















# For BBC Micro and Electron Users







### Sunshine books Direct Order For

Progressing for Education 25 95 DE Richetto and Sensers 25 95 Making Mass 25 95 Firstron Beaks Programming for Education 25 95 Ornebus Art 25 95

Signed Name Address

### Peek & Poke



I rec a Victo and

red all my names, addresses

A ta yes have seen and a

Statement lost O I require help on two

and first I and the extent substing the fear lines in

I acres with you that A t agree with yes me means should be percway the computer will an-

REM instanted in line 1 (of Other Falling) must be currented by the Poky of

2 C Warter of Chromitads.

Copy onto

cartridge

1 here a CRN 14 I feel, in common with

sycration. Many witness una Pales 52 40 Pales 55 42 I require to file statistics

A A Sorty simple way to

A Undornmenty, you have Supercharge Your Spec-

The relate for violation and va-

Nomed jones of Brechnell, O I am writing to sak if

you know of a nidoways

acrees givel by pixel, I are

a position expect! Alon, you

which cerves send, gra-

is there anything about your computer you don understand, and which everyone else stems to take for grented? Whatever your problem Peek it to Phil

## LASSIFIED charcontribute connections with



LAST TRUST INVESTORS EC) on age Job to count Microsi Stations Software, Japan PCSI, J Camputer Read, Black Corpolate, Burrer, CSS/NES

CRE IN SW to over Many Street SAMES, STILTY & EDUCATIONS

Species Published of Period

Company I were beganny t DRAGON USER

THE A WORD STAR INC. man I spin the SPORTING PORSCRETS PRO------(Please write your copy in capital letters on the lines be

Please confine on a separate wheat of paper

ADVERTISING BATES-

Employthis ....





MICRO COMPUTER AUCTIONS AUCTION POOMS, 27, KING STREET LONDON ENTRIES AS SOON AS POSSIBLE PLEASE, CATALOGUES SON EACH OR SI P.A.

Mirm Computer Audions (PCWK) Lordon WC1X STL

AUCTIONS

1000 Why to surprise the Control of the last overds total in any feet (200 feet

In all till print

TOSHERA HERES TO COLEUR MONITORS

Tet Laces

04 00 Tel 81 270 2041 2001 s/s ellegigenes légrice. Please Acons for note each outsteen 12 DE Jay

nd spare riskove Carlo I stoke ESE Also 2451 personal BOL - Mad upperson on

PRINTER US FOR

TOP GANGETY Specimes software for sale Charles Ego. The Price and Ass. Asc., Only \$3.10 alons Or 50 for at Price Dr. McADESTRO-Bay 2 OR lad

BRADON ID. Comers DS toll duk

BECKEROMINE 1210 S mon les median plusbooks games ma

Name of the State of the Property of the State Leggs State of Property of State of S

Tondys for safe

PRINTED LANGEY CEP 115 Feet on PRINTED LABORY COP 115 year or has sinked with open process and an TARGY GGP HS once pughts

TAKEN THE AN LIST Intel 2 montputs and industries Tarrily high new approves and original notificate featurement and gustner place broken Worth 12001—and 2012 TO WIS hardon Places 220 270 MION TRANSP ARPHAIN, DOF montput common provided to the common common common common common common provided to the common common common common common common provided to the common commo

ACCIMINS - nerviden a month consists 000 Tel 04 (07 1100 TARRY PCADOTION TO SAME parties

DAY Asserted his turns board 1955 per, playon, WOM and spoke 1979

ACCES COMMENTED According to the Control of Control

or parelless in major satisfy acception congress sector EV2 is a in Tel-2000 Tribud MF Set Anytice

MASCON 2 municipe unit Zing 3 f
dist Fron Seng PSS Pris Prise swint
sent condition Tal Misseum (MASS)

6550 aniumi ESSS 6250 and salt by John Dyson NY, 55-58 Repty distribut CLANGE HEATTY GIVE OFFICE OF care his jobs manings worth. 86,000 Called I with material Date.
Visigns 1222875 Replaced interior.
Stad Fac ancurs of software on
loose DS Tel Constants 72279 inte VICTALE COMPUTER GATE SPICE COAPUTER quite system a summer departs 19000' permenute sui friend que PODGET COMPLETER CHILL FAMILY THINKS SECTOR assemble dates ONE AS CHANNET OR EASY LOSS (RT Dr. OL 20, 5814 Brightlid Oris fine seek you're pe from the browner energy on THE PARTY AND REAL AND PROVIDED THESE mention only remain vV is 1800 blockers, good acres gameras: (11) orientarios Phoreilles un Fairban Commos (Arcigh) 27% INCMOTECH MEX 872, Frit. Nov. univ EFECTEUM DUPMEN IN SUIT PRINCE IN SIX subsit sumples 13 00 mill sums designs 17 81 millioutin this THE DIGGS SETTLY QUANTALA MICRO SPESSOR, SIG. On Sensitive guardinant CDD since Mr. more 250 or Array CT 165 miles for the first Common Marker 23-28 Gainey Gordon Ce th gagan Cost of Common V 22-28 miles ROSETTROPIC TROPIC services guine FORTTROPIC TROPIC services guine for LEA works with by the more than the base of the both of the formal services and the both of the both of the formal services and the both of the both of the formal services and the both of the both of the formal services and the both of the both of the formal services and the both of the both of the formal services and the both of the both of the formal services and the both of the b EN PROVIDED by male (EDG) or man 4 MONEYBEE NOT marrie periods provide this to hado, 1 & 1 hado the confrontial many magaziness of the providing the confrontial many debt into the confrontial to the confrontial confrontial to the confrontial confron ENGINEER CONTINUES OUT MODIF POPULARICOMPUTING WEEKLY

VIC BE OWNERS EXpeny earned WE SE MK INCOMES FOR CAR ! COMMODING OF CARRETTS NOW Alex VIO 31 CEN FEODROER TO THE person referred to the works to COMPLET SYSTEM Road holds to WC CHIEFS FOR SALE INSPIRED CON M - SMCMS Burn + year to Plante Custo (0080) (0080) COMMISCOCHIE Bid refrante Installing Blance Street Middle Stalk Sglos who huborisado: 04 86 each or 200 for at Proces of 108 8490 watt i hield is ewit amplant with Proce Status (1981 - negs Era condition E128 Biolid I LANGE POSSESSION BUT AND VALUE OF COMMISSIONAL PET results 2010 1000. New keyloped byte with separate cas-setts records: thigh tentilists quighted board faset; resolving bases (1000 one). VC 36 REFT NAME consolves for said All or grows 198 and unique stops from 199 and No copted VSC No. 100 to the place of the pl PARTHELY NORSHIE VIC 20 ELL THE PROCES - remove the wife NG 29 A SOM SE DONC STRONG ng/ion Bond ag, upon conta, Cipal Services THE RESIDENCE MANAGEMENT THE PARTY AND THE in a 686 a motor boost programs manual maps, home the based distinct DOS for Cartiny 81140 consecreption with an arm CSN con-COMMODORS PET 206, 4000 berns. cess for AMB VIC 20 topes for my COMMODORE VSC 30 + CISV - 1005 WINDHALD TERTS

COW DE DATAMAN - "Moude Program Philaterine pulse plus (that paner influence pulse plus (that paner influence self for (that frequences 2000) marriage. COMMODORS IN CTTO Single Plus COMMICCONTROL OF THE STORY OF THE PROPERTY OF THE STORY O

15-19 SEPTEMBER 1964



I'm I'm Bridge

POPULATION PRINCIPLE AND PRINC



New Releases Tape office

Movie, movie

About Date on Machine there collect the ... and dedge the ...





The some ... Rocket Max --

December Marchina in different.

es to a perimpe constitting of





At \$5.95 at her to be worth

Later screens have more

enclare to their ZXXI shouldn't

New Releases oliop late a Flack Tide, Into

Hatcheston Companier Publisgrame for the Spectrum -

Job bounces around his

Cheerobach has palessed a be feing a number of ourse reloque — Sear George. The pure is divided in

then or your losing a life The next arrest leader protes to avoid sloom on the

No strings

The idea is in quide year

need your first and range Swings and strendsbogs

with large green succolding

then enuch Rader can halv

The city is not completely

really the respon problem --

Physic In the Dark

none and hundreds of different

What you gut sessentially, by

monetiv came down to London's cores

I curse upon a cale next to the water's

being shaced with copious smooth of

Now I wondered out the CEC out your

The release of more computer software,

have to be met before the needs of

with people in compred, management in

Puzzle

and Ares - 1900 square limit starting people how to see computed

Soil having an adequate water marply

benefit, would and discounts are all sever room. Solution to Passile He 128

has all a protect of principle. For enemple

Busin Allen 129 is September 20

podujed the cur washes could do This is the basic problem with pricers. he Hackers



















You'll never dream a program could be this good!!!



Join Wally in his nightmare

111X310+037J

